

In the Claims:

Kindly cancel claims 15 – 28 without prejudice and without disclaimer.

Kindly amend the claims as follows:

1. (Original) A contaminated gas treatment apparatus comprising:
 - a first gas inlet for contaminant gas,
 - a second inlet for an oxygen source,
 - a heater compartment connected to the first gas inlet,
 - a heater in the heater compartment for heating the contaminant gas,
 - a heating region connected to the second inlet between an outside surface of the heater and heater compartment walls,
 - a cleaner mounted in the heater compartment and movable along the heater for cleaning particles from a heater surface,
 - a reaction region below the heater for mixing and reacting the oxygen and contaminant gases,
 - a filter chamber connected below the reaction region,
 - a filter in the filter chamber for filtering solid particulates from reacted gases, and
 - an exhaust connected to the filter chamber for removing reacted gas from the filter chamber.
2. (Original) The apparatus of claim 1, wherein the heater is a first heater and further comprising a second heater in the heater compartment and wherein the cleaner is movable along the length of and between the first and second heaters for cleaning particles from surfaces of the first and second heaters.

3. (Original) The apparatus of claim 2, wherein the first heater comprises an outer heater and the second heater comprises an inner heater and wherein the cleaner has an outer cleaning element for cleaning the outer heater and an inner cleaning element for cleaning the inner heater.

4. (Original) The apparatus of claim 3, further comprising an operator offset from a center of the treatment apparatus and connected eccentrically to the cleaner between the outer cleaning surface and the inner cleaning element for moving the cleaner between the outer heater and the inner heater.

5. (Original) The apparatus of claim 3, wherein the heater compartment is cylindrical, the outer heater is cylindrical and the inner heater is cylindrical, and wherein the cleaner is annular and coaxial with the outer heater and the inner heater, and further comprising an operator, offset from a center of the heater compartment and eccentrically connected to the cleaner, for moving the cleaner between the outer heater and the inner heater.

6. (Original) The apparatus of claim 5, wherein the operator further comprises a reciprocating air cylinder driver extending from an end of the treatment apparatus and a reciprocating rod extending into the heater compartment from the air cylinder driver and connected eccentrically to the annular cleaner for extending the rod in a space between the heaters as the reciprocating air cylinder moves the rod and the cleaner.

7. (Original) The apparatus of claim 5, wherein the cleaner is positioned above the first gas inlet and away from the passage of contaminant gases when not in use, and wherein the cleaner cleans entry points of the first gas inlet.

8. (Original) The apparatus of claim 5, wherein the outer heater has an inner liner with an extension beyond the outer heater, and wherein the outer cleaning element of the cleaner

moves along the inner liner, and into the extension of the inner liner when the rod and the cleaner are fully extended through the heater compartment.

9. (Original) The apparatus of claim 5, wherein the second inlet is an air inlet, and wherein air flows between the outer surface of the heater and the heater compartment walls for performing dynamic oxidation, and for cooling the outer surfaces of the heater.

10. (Original) The apparatus of claim 5, wherein the exhaust further comprises an exhaust chamber connected to the filter chamber and surrounding outer heater, and an exhaust outlet connected to the exhaust chamber for removing exhaust gases from the exhaust chamber, and water sprays in the exhaust chamber for cooling and scrubbing exhaust gases in the exhaust chamber.

11. (Original) The apparatus of claim 5, wherein the filter chamber is positioned below the heater compartment for removing solids out of the exhaust gas stream, and further comprising a quick disconnect clamp between a base of the heater compartment and a top of the filter chamber for removing the filter chamber and removing, replacing or cleaning the filter.

12. (Original) The apparatus of claim 1, further comprising a moisture injector connected to the first inlet or heater compartment for adding moisture as steam or water for reducing reactivity of contaminants and minimizing damage to the heater compartment and a remainder of the apparatus.

13. (Original) The apparatus of claim 1, wherein the first inlet further comprises up to four or more contaminant gas inlets.

14. (Original) A contaminated gas treatment apparatus comprising:
a first gas inlet for contaminant gas connected to a heater compartment,

a moisture injector connected to the first inlet or heater compartment for adding moisture as steam or water for reducing reactivity of contaminants and minimizing damage to the heater compartment and a remainder of the apparatus,
a heater compartment in the heater compartment for heating the contaminant gas,
a second inlet for an oxygen source connected to a region between an outer surface of the heater and an outer wall of the heater compartment,
a region below the heater for combining and reacting the oxygen and contaminant gas,
a filter chamber connected to the heater compartment,
a filter in the filter chamber for filtering solid particulates from reacted gas, and
an exhaust connected to the filter chamber for removing reacted gas from the filter chamber treatment apparatus.

15 - 28. (Canceled)